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Frod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution

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Result		Allotto *				
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٠.	6,27	E5.0	395	-	AAV61023	Arabidopsis leaty-
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AAV6[023-24] is embryo specific and is
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                                                                                                                                                                                                                                                                                                                              LET polynucleotise is also useful for targetim expression in a seed, and for preparing expression easewhere for suppression of columnia endogenous LECL gene expression, which is useful in weed control or tor improving nutritional value of plant tissue respectively. LECL to
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75.7
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                                                                                                                                                                                                                   Sequence 627 BP; 162 A; 154 C; 163 G; 149 T; 0 other:
                                                                                                                                                                                                                                                        mass, its protein or its oil.
                                                                                                                                                                                                                                                                      polypeptides and polynocleotides are especially used tor increasing or decreasing storage protein content in cotyledous or leaves. LET also increases reproductive tissue mass, e.g., increases fourth size, seed
                                                                                                                                                                                                                                                                                                                                                                                                             polynneleotide is introduced into the plant through a sexual cross and is corexpressed in an antisense crientation with a second be evolutions polynneleotide selected from AL2 and RAE2 genes of Arabidogsis. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     useful for modulating seed development and for inducing evolopic development of embryonic tissue in a plant. In both cases, the IBCL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LBT games are thought to play a contral tabe in late embryosemesis, is specifying cotyledom identity during embryo development. LBT polymeptides may act as transcription factors. LBT polymeteetides are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 3; Page 52:53; 69pp; English.
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17 NoV-1998;
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                                           tissues to improve nutritional value. Promoter sequences of the LECT gene can be used to direct expression of desired beterelogous genes in an embryo-specific at seed-specific manner.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New isolated plant loafy cotyledon I deno - used to develop products tor, e.g. increasing storage protein content in plant tissnes, or producing fruit with small and non-viable seed
                                                                                                                                   transmitted through sexual crosses) of to produce fruit with small and non-viable seed. Enhanced expression of LET polynucleotide sequences can be used to increase storage protein content in plant
                                                                                                                                                                                                                  (claimed) of embryos or other organs in plants. Inhibiting expression can be useful e.g. in weed control (by transferring an inhibitory sequence to a weedy species and allowing it to be
                                                                                                                                                                                                                                                                                                                                                                                         Arabidopsis leafy entyleden-1 (LEC1) gene. The 4.4 kb tradment is able to complement leel mutants. The LEC1 gene is embryo specific
                                                                                                                                                                                                                                                                                                                                                            and is sufficient to induce embryonic pathways in transgenic
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                                                                                                                                                                                                                                                                                                    plants. It encodes a 208 amino acid protein (see AAW71722). LECT polynucleotide sequences can be used to medulate development
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                                                                                                                                                                                                                                                                                                                                                                                                                      .4 kb genomic fragment (see AAV61923) identified as carrying the rabidopsis leafy estyledon:1 (1.591) gene — The 3.4 kb fragment is
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Sequence 3395 BP; 1041 A; 614 C; 542 G; 1197 E; 1 other;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim v. Fade 44-48; 55pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            and non-viable seed. Enhanced expression of LEC1 polynocleotide sequences can be used to increase storage protein content in plant tissues to improve nutritional value. Prompter sequences of the LEC1 gene can be used to direct expression of desired heterologous
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Query Match 100.0%; Score 627; DB 21; Best Local Similarity 100.0%; Pred. No. 7.3ec 213; Matches 627; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                 The present sequence represents a 7.4 kb Ecoki tradment of Arabidoptis accommic bNA containing the leary Cotyledon I (LECI) gene promoter. LECI genes are thought to play a central role in late embryogenesis, in specifying cotyledon identity during embryodecopment. LECI polypeptides may act as transcription factors. LECI polymeteotides are useful for modulating seed development and for inducing ecotopic development of embryonic tissue in a plant. In both cases, the LECI development of embryonic tissue in a plant, through a sexual cross and is co-expressed in an antisense eximation with a second heterologous for expression decided from AP2 and RA2 dense of Arabidopsis. The LECI polymeteotide is also useful for taractine expression in a seed, and for preparing expression cassettes for suppressing or enhancing endogenous LECI agne expression, which is useful in weed control of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ecotopic development, embryonic plant tissue; weed control; nutritional value; storage profesu; cotyledou; seed; promotor; coproductice tissue worse; trult gives sood mass; ss.
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17-NOV-1998;
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                                                                                                                                                                 polypeptides and polynucleotides are especially used for increasing of decreasing storage protein content in cotyledoms or leaves, LECI also increases reproductive tissue mass, e.g., increases truit size, seed
                                                                                                      Sequence 7560 BP; 2378 A; 1326 C; 1264 G; 2573 T; 19 other:
                                                                                                                                                                                                                                 for improving nutritional value of plant tissue respectively. LECT
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                                                                                                                          AAA27455;
                                                                                                                                                                                        AAA27455 stundard; cDNA; 481 H
Attenioné mexicana LECL codina sequence.
                                                             II SEP-2(00) (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New HAP3 type CMAAL-box building transcriptional activators, particularly leafy cotyledom i transcriptional activator, useful terinducing somatic embryodeness sociapomixis to a plant cell
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Loaty cotyledon I transcriptional activator: LPT: apomix.s

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      transformants. When apomixis occurs, in the replacement of scalar reproduction by assemble reproduction, IMCL expression in the metallis intended in the result specific expression in the measurement, or cell specific expression in the measurement real transformation from maternal tissues only. This results in the production of seeds identical to the parent. Using LECL transferie high yielding seeds could be developed. In addition, LECL could be used for positive selection of a transformed cell (transferie plant), for increasing transformation efficiency and for increasing
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7) curdiditataget extrauregagae eaataeatge eaategeaaaegt eataavaat eatge 130
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                                                                           New HAP3-type CCAAT-box binding transcriptional activators, particularly Leafy cotyledom 1 transcriptional activator, useful for inducting somatic embryogenesis or apomixis in a plant cell.
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The present sequence is the coding sequence of soybean leafy cotyledon Laurscriptional activator, LECL. This sequence encodes a HAP3-type
                                                Claim 1; Page 87-89; 94pp; English.
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- Hoerster GI, dregory∵'A. N
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             transformants. When aparixis occurs, i.e. the replacement of sexual reproduction, LEC1 expression in the nuclellus reproduction of cell specific expression in the medaspore mother cell would triangle embryo journalion from maternal tissues only. This results in the production of seeds identical to the parent. Using LEC1 transactal list yielding seeds could be downloped. In addition, LEC1 transactal list, yielding seeds could be downloped. In addition, LEC1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present sequence is the Veronia mespillifolia coding sequence of leafy cotyledon I transcriptional activator, LECL This sequence encodes a HADAC type COAAI how binding profein. LECL expression initiates the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New HAP4-type PAARI box binding transcriptional activators, particularly leady catyledom I transcriptional activator, useful for inducing semaric embryogenesis or appearxis in a plant cell.
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                                                                                                                                                                                                                                                                                                                        h 22.8%; Score 174; DB 21; hength 905; Similarity 56.0%; Pred; No. 1.1e-51;
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inducing somatic embryogenesis or apomixis in a plant cell
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Sequence 796 вв; 208 А. 124 С. 188 З. 224 Г. 2 «Полт

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host foral Similarity 68.5%; Fred. No. 4.66-45;
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(SENE) GENERIS KES N DLV CORT (11).
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18-AUG-1999;
                                                                                                                                                                               09-MAR-2000; 2000W0-US06112
                                                                                                                                                                                                                                                                                                                                                         Pinus radiata.
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                                   Plant: transcription factor: gene expression; eucalyptus; pine; acacla; peplar; sweetgam; teak; malborany; b710; n-box binding factor; busic belia top belia lipper; homeod; busic belia top belia lipper; homeod; long-admain; homeodex; HAOS; homeodomain; Hipper; LIM domain; AP2; EREBS; zinc finder domain; type 2 Cys2H.S2; COAAI bux element; MYB; SS.
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Heat Local Similarity 59.2%: Pred. No. 6.36:33:
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homeoffe/hemoodom fin/hemoofoox/MADS, homeodomain zipper, LIM domain, APZ
and EREBs, Zinc tinger domains of type z Cys2Bisz, CCAAN bow elements
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